

ABSTRACT OF THE DISCLOSURE

In an embodiment of the invention, a circuit for controlling a fusing system such as used in a printer, copier or the like, comprises a timing circuit; an averaging circuit which receives an output from the timing circuit and averages the signal to produce a voltage signal; a modulation circuit arrangement which receives the voltage signal from the averaging circuit and generates a train of pulses which varies with the voltage signal from the averaging circuit; and a switch driver circuit which is responsive to the pulse train from the modulation circuit and which drives a power supply switching circuit with a timing to apply a smoothly changing alternating current to the fusing system. The modulation circuit may be of the pulse width modulation type or the frequency modulation type.